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Utilization of a computer-controlled laboratory workstation (Biomek 1000) in routine radioimmunoassay laboratory.

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The suitability and performance characteristics of a recently introduced computer-controlled laboratory workstation (Biomek 1000) for use in automating sample transfer and reagent additions in radioimmunoassay techniques were assessed. The system is based on the use of disposable tips and, therefore, reduces any possible sample carry-over and eliminates the need for priming with the subsequent reduction in cost of reagents. However, the machine lacks the useful option of liquid-level sensing facility. Acceptable technical performance in terms of precision, accuracy and throughput was obtained with the Biomek 1000 which complied with international recommendations on the safety of hospital laboratory equipment.

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